

## MAGNETIC STRIPE TIMING TRACK USED TO ELIMINATE OPTICAL ENCODER

MAGNETIC STRIPE CARD	NEW TIMING TRACK TO ELIMINATE OPTICAL ENCODER	STANDARD ISO TRACK #3	STANDARD ISO TRACK #2	STANDARD ISO TRACK #1	
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FIG. 1.



	↑ 0.223" ↓	RECORDING DENSITY (bits per inch)	CHARACTER CONFIGURATION (including parity bit)	INFORMATION CONTENT (including control characters)
0.110"	TRACK 1 IATA	4TA 210 BPI	7 BITS PER CHARACTER	79 ALPHANUMERIC CHARACTERS
0.110"	TRACK 2 ABA	ABA 75 BPI	5 BITS PER CHARACTER	40 NUMERIC CHARACTERS
0.110"	TRACK 3 THRIFT	ARIFT 210 BPI	5 BITS PER CHARACTER	107 NUMERIC CHARACTERS

FIG. 2.

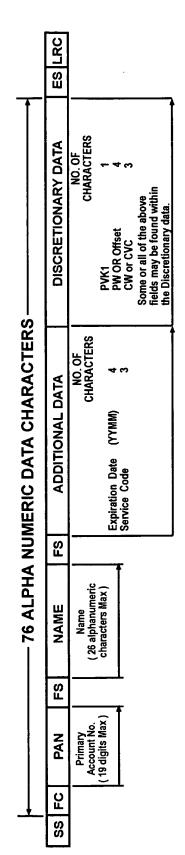


FIG. 3.



<b>1</b>	ES LRC	
8	DISCRETIONARY DATA	NO. OF CHARACTERS PVK1 1 PW OR Offset 4 CW or CVC 3 Some or all of the above fields may be found within the Discretionary data.
ALPHA NUMERIC DATA CHARACTERS-	ADDITIONAL DATA	NO. OF CHARACTERS Expiration Date (YYMM) 4 Service Code 3
Š	FS	
	PAN	Primary Account No. ( 19 digits Max )
	SS FC	<u>-</u>
	SS	·

FIG. 4.

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B.	MADEMARK

		LRC																
		ES										_						
		TA	NO. OF CHARACTERS						-	,	ဖ							
SOUTTEDS	TAKACIERO	ADDITIONAL DATA		First Subsidiary Account	Number (opt.)	Secondary Subsidiary	Account Number (opt.)		Relay Marker		Cryptographic Check	Digits (opt.)		Discretionary Data				
A AL BUA NI IMEDIC DATA CUADACTEDS	NOINERIC DAIA CI	USE AND SECURITY DATA	NO. OF CHARACTERS	(opt.) 3	e	onent 1	Amount Remaining this Cycle 4	Cycle Begin (Validity Datae) 4	7	-	arameters 6	ontrol	Restriction 2	Restriction 2	Restriction 2	te (opt.) 4	e Number 1	Card Security Number (opt.) 9
	74 ALFINA	USE AND		Country Code (opt.)	Currency Code	Currency Exponent	Amount Rema	Cycle Begin (	Cycle Length	Retry Count	PIN Control Parameters	Interchange Control	PAN Service Restriction	SAN-1 Service Restriction	SAN-2 Service Restriction	Expiration Date (opt.)	Card Sequence Number	Card Security
1	<b>-</b> 	FS			_													
		PAN	Primary Account No.	(19 digits Max)														
		FC			-													
		SS																

FIG. 5



